

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OW nucleic - nucleic search, using sw model

Run on: August 4, 2004, 06:01:54 ; Search time 36.1446 seconds  
(without alignments)  
307.073 Million cell updates/sec

Title: US-09-940-860-1

Perfect score: 20

Sequence: 1. gcaacagcagatgatacc 20

Scoring table: OLIGO NUC  
Gapop 60.0, Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size: 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: listing first 45 summaries

Database: Issued Patents NA:

- 1: /cgm2\_6/p/odates/2/ins/5A COMB. seq:\*
- 2: /cgm2\_6/p/odates/2/ins/5B COMB. seq:\*
- 3: /cgm2\_6/p/odates/2/ins/5A COMB. seq:\*
- 4: /cgm2\_6/p/odates/2/ins/5B COMB. seq:\*
- 5: /cgm2\_6/p/odates/2/ins/5A COMB. seq:\*
- 6: /cgm2\_6/p/odates/2/ins/5B COMB. seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	100.0	24	3	US-09-073-465-9
2	20	100.0	195	1	US-08-227-475-7
3	20	100.0	279	4	US-09-107-532A-3170
4	20	100.0	279	4	US-09-107-532A-3171
5	20	100.0	538	3	US-08-979-586-3
6	20	100.0	538	4	US-09-577-640-3
7	20	100.0	571	3	US-09-328-111-755
8	20	100.0	619	3	US-08-953-171-2
9	20	100.0	624	3	US-09-328-111-728
10	20	100.0	660	1	US-08-114-695A-5
11	20	100.0	665	1	US-09-328-111-476
12	20	100.0	672	3	US-09-328-111-450
13	20	100.0	851	1	US-07-898-905-1
14	20	100.0	851	1	US-07-898-905-2
15	20	100.0	851	1	US-07-898-905-3
16	20	100.0	851	1	US-09-006-089-1
17	20	100.0	851	1	US-09-006-089-2
18	20	100.0	851	3	US-09-006-089-3
19	20	100.0	876	2	US-08-642-229A-4
20	20	100.0	881	5	PCT-US91-01574-13
21	20	100.0	882	2	US-07-923-871C-13
22	20	100.0	1208	3	US-09-187-946-1
23	20	100.0	1325	2	US-08-632-470-50
24	20	100.0	1336	2	US-08-437-013-3
25	20	100.0	1336	4	US-09-275-506A-3
26	20	100.0	1366	3	US-09-191-099-4
27	20	100.0	1385	4	US-09-735-567-1

28	20	100.0	1396	3	US-08-953-171-6	Sequence 6, Appl1
29	20	100.0	1400	4	US-09-375-932A-5	Sequence 5, Appl1
30	20	100.0	1405	3	US-09-191-099-5	Sequence 5, Appl1
31	20	100.0	1407	4	US-09-193-377B-2	Sequence 2, Appl1
32	20	100.0	1407	4	US-09-517-744B-1	Sequence 2, Appl1
33	20	100.0	1408	2	US-08-632-470-40	Sequence 40, Appl1
34	20	100.0	1413	3	US-09-191-099-1	Sequence 1, Appl1
35	20	100.0	1414	3	US-09-191-099-6	Sequence 1, Appl1
36	20	100.0	1415	2	US-08-632-470-52	Sequence 52, Appl1
37	20	100.0	1415	3	US-09-193-377B-9	Sequence 9, Appl1
38	20	100.0	1417	4	US-09-565-063-2	Sequence 2, Appl1
39	20	100.0	1420	1	US-08-266-414-1	Sequence 1, Appl1
40	20	100.0	1420	3	US-09-193-377B-4	Sequence 4, Appl1
41	20	100.0	1426	3	US-09-193-377B-7	Sequence 7, Appl1
42	20	100.0	1427	2	US-08-632-470-27	Sequence 27, Appl1
43	20	100.0	1428	3	US-09-193-377B-1	Sequence 1, Appl1
44	20	100.0	1429	3	US-09-193-377B-8	Sequence 8, Appl1
45	20	100.0	1429	3	US-09-193-377B-8	Sequence 8, Appl1

#### ALIGNMENTS

```

RESULT 1
US-09-073-465-9
; Sequence 9, Application US/09073465
; Patent No. 6054278
; GENERAL INFORMATION:
; APPLICANT: DODGE, Deborah E
; TITLE OF INVENTION: RIBOSOMAL RNA GENE POLYMORPHISM BASED MICROORGANISM
; TITLE OF INVENTION: IDENTIFICATION
; FILE REFERENCE: 4343 US
; CURRENT APPLICATION NUMBER: US/09/073, 465
; CURRENT FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Bacterial
US-09-073-465-9

Query Match      100.0%; Score 20; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GCAACAGCAGATGATACCC 20
DB      2 GCAACAGCAGATGATACCC 21

RESULT 2
US-08-227-475-7/c
; Sequence 7, Application US/08227475
; Patent No. 5521674
; GENERAL INFORMATION:
; APPLICANT: Hoshina, Sadayori
; APPLICANT: Weinstein, I. Bernard
; TITLE OF INVENTION: DNA Oligomers For Use In Detection Of
; TITLE OF INVENTION: Microorganisms And Methods Of Using Such DNA
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:

```

MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/227,475  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/672,691  
FILING DATE: 18-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 34546-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 977-9550  
TELEFAX: (212) 664-0525  
TELEX: (212) 422523 COOP UT  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 195 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: N  
ANTI-SENSE: N  
US-08-227-475-7

Query Match 100.0%; Score 20; DB 1; Length 195;  
Best Local Similarity 100.0%; Pred. No. 0.014;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 GCAACAGATTAGATACCC 20  
DB 128 GCAACAGATTAGATACCC 109

RESULT 3  
US-09-107-532A-3170/C  
Sequence 3170, Application US/09107532A  
Patent No. 6583275  
GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
CORRESPONDENCE ADDRESSES:  
NUMBER OF SEQUENCES: 7310  
ADDRESSER: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: PC  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 MAY 1998  
APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Arinello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (781) 893-5007  
TELEFAX: (781) 893-8277  
INFORMATION FOR SEQ ID NO: 3170:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 279 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (8) LOCATION 1...279  
SEQUENCE DESCRIPTION: SEQ ID NO: 3170:  
US-09-107-532A-3170

Query Match 100.0%; Score 20; DB 4; Length 279;  
Best Local Similarity 100.0%; Pred. No. 0.014;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 GCAACAGATTAGATACCC 20  
DB 134 GCAACAGATTAGATACCC 115

RESULT 4  
US-09-107-532A-3171/C  
Sequence 3171, Application US/09107532A  
Patent No. 6583275  
GENERAL INFORMATION:  
APPLICANT: Lynn A Doucette-Stamm and David Bush  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
CORRESPONDENCE ADDRESSES:  
NUMBER OF SEQUENCES: 7310  
ADDRESSER: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354  
COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: PC  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 MAY 1998  
APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Arinello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781) 893-5007  
TELEFAX: (781) 893-8277  
INFORMATION FOR SEQ ID NO: 3171:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 279 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO